

## Chin, Vivian

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**From:** Haklar, James  
**Sent:** Thursday, July 14, 2016 1:20 PM  
**To:** Finnegan, Ann; Chin, Vivian  
**Subject:** FW: Former Alcoa Building 12, Edgewater, NJ - Soil Stockpile  
**Attachments:** Waste Class for Soil Stockpile at Alcoa Edgewater.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

O.K. – the PCB results are over 50 ppm.

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**From:** Keith Gagnon, LSRP Consulting [mailto:kgagnon@lsrpconsulting.com]  
**Sent:** Thursday, July 14, 2016 11:54 AM  
**To:** Haklar, James <Haklar.James@epa.gov>  
**Subject:** RE: Former Alcoa Building 12, Edgewater, NJ - Soil Stockpile

The stockpile waste class sampling results are attached. I was not on-site when the pile was first generated, so I'm not 100% positive there's a liner under the pile, but based on how well they've kept the pile covered with plastic, I expect they placed a liner under the pile.

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**From:** Haklar, James [mailto:Haklar.James@epa.gov]  
**Sent:** Thursday, July 14, 2016 11:48 AM  
**To:** Keith Gagnon, LSRP Consulting  
**Subject:** Re: Former Alcoa Building 12, Edgewater, NJ - Soil Stockpile

Thanks Keith. Can you please send us the analytical results for the pile. Also, you mentioned that the pile is covered. Does it have a liner that it's sitting on?

Jim

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**From:** Keith Gagnon, LSRP Consulting <kgagnon@lsrpconsulting.com>  
**Sent:** Thursday, July 14, 2016 11:18:22 AM  
**To:** Haklar, James  
**Subject:** Former Alcoa Building 12, Edgewater, NJ - Soil Stockpile

Jim, as requested, I am providing you with the following information regarding the soil stockpile at the former Alcoa Building 12 in Edgewater, New Jersey:

- The soil stockpile was initially generated during October 2015.
- The soils originated from excavations for utility lines/piping and for the installation of wall footings from various locations at the property, and includes sediment from the two stormwater manholes.
- The majority of the soils were added to the stockpile between October 2015 and February 2016.
- The stockpile is approximately 450 cubic yards and has been covered with plastic.
- The soil will be disposed of at a TSCA-approved landfill.
- Waste class samples were collected and analyzed during February 2016.
- The initial disposal proposal was received during February 2016.
- Additional disposal proposals were requested during July 2016.

- A disposal contractor will be chosen and the removal/disposal of the stockpile will begin late July/early August 2016.

Keith

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|                 |  |
|-----------------|--|
| Job Number:     | JC13575  |
| Account:        | LSRP Consulting, LLC                             |
| Project:        | Alcoa Building 12, 734 River Road, Edgewater, NJ |
| Project Number: | 150176   |

| Client Sample ID: |  | COMPOSITE<br>SOILPILE<br>AI020216<br>BORINGS:<br>AL020216-N1,N2,<br>N3,N4,N5 | BORING<br>AL020216-N1 | COMPOSITE<br>SOILPILE<br>AI020216<br>BORINGS:<br>AL020216-S1,S2,<br>S3,S4,S6 | BORING<br>AL020216-S1 | COMPOSITE<br>SOILPILE<br>AI020216<br>BORINGS:<br>AL020216-N6,N7,<br>N8,N9,N10 | BORING<br>AL020216-N6 | COMPOSITE<br>SOILPILE<br>AI020216<br>BORINGS:<br>AL020216-S6,S7,<br>S8,S9,S10 | BORING<br>AL020216-S6 |
|-------------------|--|--|-----------------------|--|-----------------------|---|-----------------------|---|-----------------------|
| Lab Sample ID:    |  | JC13575-1  | JC13575-2             | JC13575-3  | JC13575-4             | JC13575-5   | JC13575-6             | JC13575-7   | JC13575-8             |
| Date Sampled:     |  | 2/2/2016   | 2/2/2016              | 2/2/2016   | 2/2/2016              | 2/2/2016  | 2/2/2016              | 2/2/2016  | 2/2/2016              |
| Matrix:           |  | Soil   | Soil                  | Soil   | Soil                  | Soil  | Soil                  | Soil  | Soil                  |

| GC Volatiles (SW846 8015C) |       |   |          |   |          |   |          |   |          |
|----------------------------|-------|---|----------|---|----------|---|----------|---|----------|
| TPH-GRO (C6-C10)           | mg/kg | - | ND (2.1) | - | ND (2.1) | - | ND (2.1) | - | ND (2.2) |

| GC Semi-volatiles (SW846 8015C) |       |   |      |   |     |   |     |   |     |
|---------------------------------|-------|---|------|---|-----|---|-----|---|-----|
| TPH-DRO (C10-C28)               | mg/kg | - | 62.5 | - | 270 | - | 299 | - | 319 |

| GC Semi-volatiles (SW846 8062A) |       |          |   |          |   |          |   |          |   |
|---------------------------------|-------|----------|---|----------|---|----------|---|----------|---|
| Aroclor 1016                    | ug/kg | ND (13)  | - | ND (13)  | - | ND (12)  | - | ND (12)  | - |
| Aroclor 1221                    | ug/kg | ND (31)  | - | ND (31)  | - | ND (28)  | - | ND (29)  | - |
| Aroclor 1232                    | ug/kg | ND (18)  | - | ND (18)  | - | ND (14)  | - | ND (15)  | - |
| Aroclor 1242                    | ug/kg | ND (14)  | - | ND (14)  | - | ND (13)  | - | ND (13)  | - |
| Aroclor 1248                    | ug/kg | 79700    | - | 65200    | - | 81300    | - | 55100    | - |
| Aroclor 1254                    | ug/kg | ND (22)  | - | ND (22)  | - | ND (20)  | - | ND (20)  | - |
| Aroclor 1260                    | ug/kg | 8010     | - | 8890     | - | 8740     | - | 6140     | - |
| Aroclor 1268                    | ug/kg | ND (9.6) | - | ND (9.5) | - | ND (8.8) | - | ND (9.0) | - |
| Aroclor 1262                    | ug/kg | ND (13)  | - | ND (13)  | - | ND (12)  | - | ND (12)  | - |

| General Chemistry         |        |         |      |         |      |         |      |         |      |
|---------------------------|--------|---------|------|---------|------|---------|------|---------|------|
| Corrosivity as pH         | su     | 8.43 NC | -    | 8.45 NC | -    | 8.23 NC | -    | 8.29 NC | -    |
| Cyanide Reactivity        | mg/kg  | <11     | -    | <11     | -    | <11     | -    | <11     | -    |
| Ignitability (Flashpoint) | Deg. F | >200    | -    | >200    | -    | >200    | -    | >200    | -    |
| Solids, Percent           | %      | 88.1    | 90.2 | 91.6    | 88.6 | 91.2    | 90.4 | 88.8    | 85.8 |
| Sulfide Reactivity        | mg/kg  | <110    | -    | <110    | -    | <110    | -    | <110    | -    |

| GC/MS Volatiles (SW846 8260C) |      |   |              |   |              |   |   |   |   |
|-------------------------------|------|---|--------------|---|--------------|---|---|---|---|
| Benzene                       | mg/l | - | ND (0.0012)  | - | ND (0.0012)  | - | - | - | - |
| 2-Butanone (MEK)              | mg/l | - | ND (0.028)   | - | ND (0.028)   | - | - | - | - |
| Carbon tetrachloride          | mg/l | - | ND (0.0011)  | - | ND (0.0011)  | - | - | - | - |
| Chlorobenzene                 | mg/l | - | ND (0.00093) | - | ND (0.00093) | - | - | - | - |
| Chloroform                    | mg/l | - | ND (0.00094) | - | ND (0.00094) | - | - | - | - |
| 1,4-Dichlorobenzene           | mg/l | - | ND (0.0014)  | - | ND (0.0014)  | - | - | - | - |
| 1,2-Dichloroethane            | mg/l | - | ND (0.00090) | - | ND (0.00090) | - | - | - | - |
| 1,1-Dichloroethene            | mg/l | - | ND (0.0026)  | - | ND (0.0026)  | - | - | - | - |
| Tetrachloroethene             | mg/l | - | ND (0.0020)  | - | ND (0.0020)  | - | - | - | - |
| Trichloroethene               | mg/l | - | ND (0.0011)  | - | ND (0.0011)  | - | - | - | - |
| Vinyl chloride                | mg/l | - | ND (0.00074) | - | ND (0.00074) | - | - | - | - |

| GC/MS Semi-volatiles (SW846 8270D) |      |             |   |             |   |   |   |   |   |
|------------------------------------|------|-------------|---|-------------|---|---|---|---|---|
| 2-Methylphenol                     | mg/l | ND (0.0082) | - | ND (0.0082) | - | - | - | - | - |
| 3&4-Methylphenol                   | mg/l | 0.0189 J    | - | ND (0.0067) | - | - | - | - | - |
| Pentachlorophenol                  | mg/l | ND (0.014)  | - | ND (0.014)  | - | - | - | - | - |
| 2,4,5-Trichlorophenol              | mg/l | ND (0.015)  | - | ND (0.015)  | - | - | - | - | - |
| 2,4,6-Trichlorophenol              | mg/l | ND (0.014)  | - | ND (0.014)  | - | - | - | - | - |
| 1,4-Dichlorobenzene                | mg/l | ND (0.0023) | - | ND (0.0023) | - | - | - | - | - |
| 2,4-Dinitrotoluene                 | mg/l | ND (0.0026) | - | ND (0.0026) | - | - | - | - | - |
| Hexachlorobenzene                  | mg/l | ND (0.0042) | - | ND (0.0042) | - | - | - | - | - |
| Hexachlorobutadiene                | mg/l | ND (0.0036) | - | ND (0.0036) | - | - | - | - | - |
| Hexachloroethane                   | mg/l | ND (0.0022) | - | ND (0.0022) | - | - | - | - | - |
| Nitrobenzene                       | mg/l | ND (0.0046) | - | ND (0.0046) | - | - | - | - | - |
| Pyridine                           | mg/l | ND (0.0027) | - | ND (0.0027) | - | - | - | - | - |

| Metals Analysis |      |          |   |          |   |   |   |   |   |
|-----------------|------|----------|---|----------|---|---|---|---|---|
| Arsenic         | mg/l | <0.50    | - | <0.50    | - | - | - | - | - |
| Barium          | mg/l | <1.0     | - | <1.0     | - | - | - | - | - |
| Cadmium         | mg/l | <0.025   | - | <0.025   | - | - | - | - | - |
| Chromium        | mg/l | <0.050   | - | <0.050   | - | - | - | - | - |
| Lead            | mg/l | <0.50    | - | <0.50    | - | - | - | - | - |
| Mercury         | mg/l | <0.00020 | - | <0.00020 | - | - | - | - | - |
| Selenium        | mg/l | <0.50    | - | <0.50    | - | - | - | - | - |
| Silver          | mg/l | <0.050   | - | <0.050   | - | - | - | - | - |

